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* * * * * Welcome to STN International * * * * *

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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS	4	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS	5	AUG 02	CAPLUS and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	6	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS	7	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
NEWS	8	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS	9	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS	10	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	11	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS	12	SEP 14	STN Patent Forum to be held October 13, 2004, in Iselin, NJ
NEWS	13	SEP 27	STANDARDS will no longer be available on STN
NEWS	14	SEP 27	SWETSCAN will no longer be available on STN
NEWS	15	SEP 30	STN downtime scheduled October 2-3, 2004
NEWS EXPRESS		JULY 30	CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:07:59 ON 01 OCT 2004

=> file agricola caplus biosis'

'BIOSIS'' IS NOT A VALID FILE NAME

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SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

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FILE 'AGRICOLA' ENTERED AT 12:08:20 ON 01 OCT 2004

FILE 'CAPLUS' ENTERED AT 12:08:20 ON 01 OCT 2004

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FILE 'BIOSIS' ENTERED AT 12:08:20 ON 01 OCT 2004

Copyright (c) 2004 The Thomson Corporation.

=> s bnyvv and transgenic

L1 28 BNYVV AND TRANSGENIC

=> dup rem l1

PROCESSING COMPLETED FOR L1

L2 22 DUP REM L1 (6 DUPLICATES REMOVED)

=> d 1-10 ti

L2 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1

TI Strategies for the detection of potential beet necrotic yellow vein virus genome recombinations which might arise as a result of growing a type coat protein gene-expressing sugarbeets in soil containing B type virus

L2 ANSWER 2 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN

TI Rapid screening for dominant negative mutations in the beet necrotic yellow vein virus triple gene block proteins P13 and P15 using a viral replicon

L2 ANSWER 3 OF 22 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

TI Biosafety of hybrids between **transgenic** virus-resistant sugar beet and Swiss chard.

L2 ANSWER 4 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN

TI Method of genetic modification of a TGB-3 wild type viral gene sequence for conferring viral infection resistance to plants

L2 ANSWER 5 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN

TI Beet necrotic yellow vein virus gene for conferring viral resistance in plants

L2 ANSWER 6 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN

TI Generation of 13K gene sugar beet transformants and evaluation of their resistance to **BNYVV** infection

L2 ANSWER 7 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN

TI **Transgenic** plants expressing the TGB1 protein of peanut clump virus complement movement of TGB1-defective peanut clump virus but not of TGB1-defective beet necrotic yellow vein virus

L2 ANSWER 8 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2

TI Analysis of gene inheritance and expression in hybrids between **transgenic** sugar beet and wild beets

L2 ANSWER 9 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN

TI The spreading of foreign genes from genetically modified plants of Beta

vulgaris. Monitoring in agro- and coastal ecosystems

L2 ANSWER 10 OF 22 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
TI Saline soil condition decreases rhizomania infection of Beta vulgaris.

=> d so

L2 ANSWER 1 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 1
S0 Transgenic Research (2004), 13(1), 21-28
CODEN: TRSEES; ISSN: 0962-8819

=> d 11-22 ti

L2 ANSWER 11 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3
TI Nucleic acid and protein elimination during the sugar manufacturing
process of conventional and **transgenic** sugar beets

L2 ANSWER 12 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 4
TI Nicotiana benthamiana plants expressing beet necrotic yellow vein virus (**BNYVV**) coat protein-specific scFv are partially protected against
the establishment of the virus in the early stages of infection and its
pathogenic effects in the late stages of infection

L2 ANSWER 13 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN
TI Expression of beet necrotic yellow vein virus coat protein gene in
transformed beet plants

L2 ANSWER 14 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN
TI Expression of beet necrotic yellow vein virus coat protein gene in
transformed sugarbeet plants

L2 ANSWER 15 OF 22 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2004) on STN

TI Expression of single-chain antibody fragments (scFv) specific for beet
necrotic yellow vein virus coat protein or 25 kDa protein in Escherichia
coli and Nicotiana benthamiana.

L2 ANSWER 16 OF 22 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
TI Reduced titer of **BNYVV** in **transgenic** sugar beets
expressing the **BNYVV** coat protein.

L2 ANSWER 17 OF 22 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN
TI Competitiveness of **transgenic** sugar beet resistant to beet
necrotic yellow vein virus and potential impact on wild beet populations.

L2 ANSWER 18 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN
TI DNA sequence comprising at least two coat protein genes and
transgenic sugar beet with viral coat protein genes

L2 ANSWER 19 OF 22 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2004) on STN

TI Visualisation of transgene expression at the single protoplast level.

L2 ANSWER 20 OF 22 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on
STN

TI VISUALISATION OF TRANSGENE EXPRESSION AT THE SINGLE PROTOPLAST LEVEL.

L2 ANSWER 21 OF 22 CAPLUS COPYRIGHT 2004 ACS on STN

TI Genetic transformation of sugar beet and virus-resistant plants

L2 ANSWER 22 OF 22 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 5

TI Cloning of the coat protein gene from beet necrotic yellow vein virus and its expression in sugar beet hairy roots.

=> s replicase and plant and transgenic

L3 208 REPLICASE AND PLANT AND TRANSGENIC

=> s l4 and virus

L4 NOT FOUND

The L-number entered could not be found. To see the definition of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l3 and virus

L4 200 L3 AND VIRUS

=> s l4 and (resist? or tolera?)

L5 151 L4 AND (RESIST? OR TOLERA?)

=> s l5 and viral replicase

L6 39 L5 AND VIRAL REPLICASE

=> dup rem l6

PROCESSING COMPLETED FOR L6

L7 26 DUP REM L6 (13 DUPLICATES REMOVED)

=> d 1-10 ti

L7 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of **transgenic** plants **resistant** to viral infections using **viral replicase** subunit deletion mutants

L7 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN

TI Improving **plant resistance** to viruses by expression of viral coat protein and **replicase** genes

L7 ANSWER 3 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 1

TI Cloning of the papaya ringspot **virus** (PRSV) **replicase** gene and generation of PRSV-**resistant** papayas through the introduction of the PRSV **replicase** gene.

L7 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN

TI **Replicase**-derived **resistance** against Pea early browning **virus** in *Nicotiana benthamiana* is an unstable **resistance** based upon posttranscriptional gene silencing

L7 ANSWER 5 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 2

TI RNAs 1 and 2 of Alfalfa mosaic **virus**, expressed in **transgenic** plants, start to replicate only after infection of the

plants with RNA 3.

- L7 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
TI Truncated lettuce mosaic **virus** capsid gene and its use in creating plants with heterologous **virus resistance**
- L7 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 3
TI **Resistance** to wheat streak mosaic **virus** in **transgenic** wheat expressing the **viral replicase** (Nib) gene
- L7 ANSWER 8 OF 26 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
TI **Resistance** to viral infection by **transgenic** plants expressing a truncated **viral replicase** transgene correlates with the stability of the transgene protein.
- L7 ANSWER 9 OF 26 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
TI Specificity of **resistance** to pea seed-borne mosaic potyvirus in **transgenic** peas expressing the **viral replicase** (Nib) gene.
- L7 ANSWER 10 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 4
TI **Transgenic resistance** to cucumber mosaic **virus** in tomato: blocking of long-distance movement of the **virus** in lines harboring a defective **viral replicase** gene.

=> d 10 ab

- L7 ANSWER 10 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 4
- AB Tomato breeding lines were transformed with a defective **replicase** gene from RNA 2 of cucumber mosaic **virus** (CMV). A total of 63 transformants from five tomato genotypes were evaluated for **resistance** to CMV strains. The responses of R1 **transgenic** offspring fit into three categories: fully susceptible lines (44%), fully **resistant** lines (8%), and an intermediate-type mixture of susceptible and **resistant** seedlings in variable proportions (48%). Further characterization of the response of two highly **resistant** lines was performed by mechanical inoculation, aphid transmission, or grafting experiments. No **virus** was detected in noninoculated leaves from these lines, although a low level of **virus** accumulated initially in the inoculated leaf. The homozygous R2 plants and further generations that were evaluated (up to R5) showed **resistance** to the Fny-CMV strain, two Israeli isolates tentatively classified as subgroup IA, and K-CMV (a representative of subgroup IB). These lines were partially **resistant** to LS-CMV (a representative of subgroup II) when a high-**virus**-titer inoculum was used. Expression of the viral transgene was verified in these lines; however, the expected translation product was not detectable. In grafting experiments, we demonstrated that CMV virions were blocked in their ability to move from infected rootstocks of nontransformed tomato or tobacco into the **transgenic** scions. Interestingly, virions could not move through a **transgenic** intersection into the upper scion. These results provide an additional indication that **replicase**-mediated **resistance** affects long-distance movement.

=> d 10 so

- L7 ANSWER 10 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 4
- SO Phytopathology, Oct 1998. Vol. 88, No. 10. p. 1101-1107
Publisher: St. Paul, Minn. : American Phytopathological Society, 1911-
CODEN: PHYTAJ; ISSN: 0031-949X

=> d 11-20 ti

- L7 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
TI Viral replicon for controlling **plant** viral infection
- L7 ANSWER 12 OF 26 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
TI Application of recombinant DNA technology to **plant** protection: Molecular approaches to engineering **virus resistance** in crop plants.
- L7 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
TI Characterization of **resistance** to cymbidium ringspot **virus** in **transgenic** plants expressing a full-length **viral replicase** gene
- L7 ANSWER 14 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 5
TI Nicotiana benthamiana plants transformed with the 54-kDa region of the pepper mild mottle tobamovirus **replicase** gene exhibit two types of **resistance** responses against viral infection.
- L7 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
TI Solanaceae plants expressing the potato leafroll **virus replicase** gene which are **resistant** to infection by PLRV and DNA and method for preparing these **transgenic** plants
- L7 ANSWER 16 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 6
TI Immunodetection of the 33K/92K polymerase proteins in cymbidium ringspot **virus**-infected and in **transgenic plant** tissue extracts.
- L7 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
TI Induction of viral **resistance** in plants by transformation with a **replicase** gene
- L7 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
TI Formation of **virus resistant** plants using genes encoding inactive forms of the viral RNA **replicase**
- L7 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
TI Use of a truncated gene in the preparation of plants **resistant** to potato **virus X**.
- L7 ANSWER 20 OF 26 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN
TI Elimination of L-A double-stranded RNA **virus** of Saccharomyces

cerevisiae by expression of gag and gag-pol from an L-A cDNA clone.

=> d 20 ab

L7 ANSWER 20 OF 26 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

AB We report that expression of a nearly full-length cDNA clone of the L-A double-stranded RNA **virus** causes **virus** loss in a mild-type strain of *Saccharomyces cerevisiae*. We show that in this system exclusion of the L-A **virus** is independent of the presence of the packaging site or of cis sites for replication and transcription and completely dependent on expression of functional recombinant gag and gag-pol fusion protein. Thus, this exclusion is not explained in terms of overexpression of packaging signals. Mutation of the chromosomal SKI2 gene, known to repress the copy number of double-stranded RNA cytoplasmic replicons of *S. cerevisiae*, nearly eliminates the exclusion. We suggest that exclusion is due to competition by proteins expressed from the plasmid for a possibly limiting cellular factor. Our hypotheses on exclusion by expression of L-A proteins may also apply to **resistance** to **plant** viruses produced by expression of viral replicases in **transgenic** plants.

=> d 20 so

L7 ANSWER 20 OF 26 BIOSIS COPYRIGHT (c) 2004 The Thomson Corporation. on STN

SO Journal of Virology, (1993) Vol. 67, No. 5, pp. 2764-2771.
CODEN: JOVIAM. ISSN: 0022-538X.

=> d 21-26 ti

L7 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN

TI **resistance** to cymbidium ringspot tomosvirus infection in **transgenic** *Nicotiana benthamiana* plants expressing a full-length **viral replicase** gene

L7 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN

TI **Virus-resistant transgenic** plants and method for their production

L7 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN

TI A defective **replicase** gene induces **resistance** to cucumber mosaic **virus** in **transgenic** tobacco plants

L7 ANSWER 24 OF 26 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN

TI Expression of amino-terminal portions of full-length **viral replicase** genes in **transgenic** plants confers **resistance** to potato **virus X** infection. DUPLICATE 7

L7 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN

TI Advances and prospects in potato virology with special reference to **virus resistance**

L7 ANSWER 26 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN

TI **Virus resistance** in plants transformed with nonstructural sequences from a pathogenic **virus**

```

=> s ((richards k?) or (richards, k?))/auy
'AUY' IS NOT A VALID FIELD CODE
'AUY' IS NOT A VALID FIELD CODE
'AUY' IS NOT A VALID FIELD CODE
L8      0 ((RICHARDS K?) OR (RICHARDS, K?))/AUY

=> s ((richards k?) or (richards, k?))/au
L9      1239 ((RICHARDS K?) OR (RICHARDS, K?))/AU

=> s l9 and (beet necrotic yellow vein virus or bnyvv)
L10     115 L9 AND (BEET NECROTIC YELLOW VEIN VIRUS OR BNYVV)

=> s l10 and transgenic
L11     8 L10 AND TRANSGENIC

=> dup rem l11
PROCESSING COMPLETED FOR L11
L12     5 DUP REM L11 (3 DUPLICATES REMOVED)

=> d 1-5 ti

L12 ANSWER 1 OF 5  AGRICOLA  Compiled and distributed by the National
    Agricultural Library of the Department of Agriculture of the United States
    of America.  It contains copyrighted materials.  All rights reserved.
    (2004) on STN
TI   Rapid screening for dominant negative mutations in the beet
    necrotic yellow vein virus triple
    gene block proteins P13 and P15 using a viral replicon.
                                         DUPLICATE 1

L12 ANSWER 2 OF 5  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Method for inducing viral resistance in plants by viral TGB2 gene transfer

L12 ANSWER 3 OF 5  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Method of genetic modification of a TGB-3 wild type viral gene sequence
    for conferring viral infection resistance to plants

L12 ANSWER 4 OF 5  AGRICOLA  Compiled and distributed by the National
    Agricultural Library of the Department of Agriculture of the United States
    of America.  It contains copyrighted materials.  All rights reserved.
    (2004) on STN
TI   Transgenic plants expressing the TBG1 protein of peanut clump
    virus complement movement of TBG1-defective peanut clump virus but not of
    TGB1-defective beet necrotic yellow
    vein virus.
                                         DUPLICATE 2

L12 ANSWER 5 OF 5  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Method for inducing viral resistance in plants and viral TGB3
    gene-expressing transgenic plants

=> d 2 ab

L12 ANSWER 2 OF 5  CAPLUS  COPYRIGHT 2004 ACS on STN
AB   The present invention concerns a method for inducing resistance to a virus
    comprising a TGB2 sequence into a cell plant or a plant, comprising the
    following steps: preparing a nucleotide construct comprising a nucleotide
    sequence corresponding to at least 70 % of the nucleotide sequence of TGB2
    of said virus or its complementary cDNA, being operably linked to one or
    more regulatory sequence(s) active in a plant, transforming a plant cell
    with the nucleotide construct, and possibly regenerating a
    transgenic plant from the transformed plant cell.  The present
    invention is also related to the plant obtained.

```

=> d 2 pi

L12 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2000055301 A2 20000921 WO 2000-EP2176 20000307
WO 2000055301 A3 20010125
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
EP 1038961 A1 20000927 EP 1999-200773 19990316
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO
AU 2000038105 A5 20001004 AU 2000-38105 20000307
EP 1161538 A2 20011212 EP 2000-916929 20000307
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO
EE 200100481 A 20021216 EE 2001-481 20000307

=> d 3-5 pi

NO VALID FORMATS ENTERED FOR FILE 'AGRICOLA'
In a multifile environment, each file must have at least one valid
format requested. Refer to file specific help messages or the
STNGUIDE file for information on formats available in individual
files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):so

L12 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2

L12 ANSWER 4 OF 5 AGRICOLA Compiled and distributed by the National
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(2004) on STN DUPLICATE 2
SO Plant cell reports, Mar 1999. Vol. 18, No. 7/8. p. 614-619
Publisher: Berlin, W. Ger. : Springer International.
CODEN: PCRPD8; ISSN: 0721-7714

L12 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
SO PCT Int. Appl., 54 pp.
CODEN: PIXXD2

=> d 3 pi

L12 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2000003025 A2 20000120 WO 1999-BE89 19990709
WO 2000003025 A3 20010816
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ,
DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK,
MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,
TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

EP 976831 A1 20000202 EP 1998-870159 19980710

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

AU 9947650 A1 20000201 AU 1999-47650 19990709

EP 1144661 A2 20011017 EP 1999-930957 19990709

EP 1144661 A3 20011128

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

=> d 5 pi

L12 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9807875	A1	19980226	WO 1997-BE92	19970818
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, DE, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9739350	A1	19980306	AU 1997-39350	19970818
EP 938574	A1	19990901	EP 1997-936530	19970818
EP 938574	B1	20031112		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 254180	E	20031115	AT 1997-936530	19970818
ES 2210557	T3	20040701	ES 1997-936530	19970818
US 6297428	B1	20011002	US 1999-242216	19990208

=> s ((jonard g?) or (jonard g?))/au

L13 264 ((JONARD G?) OR (JONARD G?))/AU

=> s l13 and (beet necrotic yellow vein virus or bnyvv)

L14 112 L13 AND (BEET NECROTIC YELLOW VEIN VIRUS OR BNYVV)

=> s l12 and transgenic

L15 5 L12 AND TRANSGENIC

=> dup rem l15

PROCESSING COMPLETED FOR L15

L16 5 DUP REM L15 (0 DUPLICATES REMOVED)

=> d 1-5 ti

L16 ANSWER 1 OF 5 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN

TI Rapid screening for dominant negative mutations in the **beet necrotic yellow vein virus** triple gene block proteins P13 and P15 using a viral replicon.

L16 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

TI Method for inducing viral resistance in plants by viral TGB2 gene transfer

L16 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

TI Method of genetic modification of a TGB-3 wild type viral gene sequence

for conferring viral infection resistance to plants

L16 ANSWER 4 OF 5 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN

TI **Transgenic** plants expressing the TBG1 protein of peanut clump virus complement movement of TBG1-defective peanut clump virus but not of TBG1-defective **beet necrotic yellow vein virus**.

L16 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

TI Method for inducing viral resistance in plants and viral TGB3 gene-expressing **transgenic** plants

=> s ((guilley h?) or (guilley, h?))/au

L17 248 ((GUILLEY H?) OR (GUILLEY, H?))/AU

=> s l17 and (beet necrotic yellow vein virus or bnyvv)

L18 113 L17 AND (BEET NECROTIC YELLOW VEIN VIRUS OR BNYVV)

=> s l18 and transgenic

L19 8 L18 AND TRANSGENIC

=> dup rem l19

PROCESSING COMPLETED FOR L19

L20 5 DUP REM L19 (3 DUPLICATES REMOVED)

=> d 1-5 ti

L20 ANSWER 1 OF 5 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN

TI Rapid screening for dominant negative mutations in the **beet necrotic yellow vein virus** triple gene block proteins P13 and P15 using a viral replicon. DUPLICATE 1

L20 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

TI Method for inducing viral resistance in plants by viral TGB2 gene transfer

L20 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

TI Method of genetic modification of a TGB-3 wild type viral gene sequence for conferring viral infection resistance to plants

L20 ANSWER 4 OF 5 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2004) on STN DUPLICATE 2

TI **Transgenic** plants expressing the TBG1 protein of peanut clump virus complement movement of TBG1-defective peanut clump virus but not of TBG1-defective **beet necrotic yellow vein virus**.

L20 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

TI Method for inducing viral resistance in plants and viral TGB3 gene-expressing **transgenic** plants

=> s ((van dun, c?) or (van dun c?))/ayu

'AYU' IS NOT A VALID FIELD CODE

'AYU' IS NOT A VALID FIELD CODE

'AYU' IS NOT A VALID FIELD CODE

L21 0 ((VAN DUN, C?) OR (VAN DUN C?))/AYU

=> s ((van dun, c?) or (van dun c?))/au

L22 24 ((VAN DUN, C?) OR (VAN DUN C?))/AU

=> s l22 and (beet necrotic yellow vein virus or bnyvv)

L23 1 L22 AND (BEET NECROTIC YELLOW VEIN VIRUS OR BNYVV)

=> d ti

L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

TI Subgenomic expression constructs conferring **beet necrotic yellow vein virus** resistance to sugar beet

=> d ab

L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

AB Expression vectors that confer resistance to **beet necrotic yellow vein virus** (BNYVV) to a sugar beet plant are described. These vectors encode a fragment of at least 15 nucleotides that is essentially homologous to the of viral RNA I of BNYVV under control of a suitable constitutive or regulated promoter. Regenerated plants containing such constructs are resistant to the virus. The invention further relates to a plant cell comprising in its genome a DNA fragment of at least 15 nucleotides in a sequence that is essentially homologous to the corresponding nucleotide sequence of the genomic RNA 1 of BNYVV and the use of said plant cell for the regeneration therefrom of a sugar beet plant that is resistant against BNYVV.

=> d so

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SO PCT Int. Appl., 31 pp.
CODEN: PIXXD2

=> d pi

L23 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000044915	A1	20000803	WO 2000-EP609	20000126
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1029923	A1	20000823	EP 1999-200236	19990127
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
EP 1169463	A1	20020109	EP 2000-936517	20000126
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
EE 200100390	A	20021015	EE 2001-390	20000126